REPORT

ON THE

PUBLIC HEALTH

AND

SANITARY CONDITIONS

OF THE

COUNTY OF MERIONETH

1940

R. Evans & Son, Bala. Tel. 29.

MEDICAL DEPARTMENT,

COUNTY OFFICES,

DOLGELLEY.

December, 1941.

To the Chairman, Aldermen and Councillors of the Merioneth County Council.

Mr. Chairman, Ladies and Gentlemen,

I present the 30th Report of the Public Health and Sanitary conditions of the County for the Year 1940.

It is regretted that there has been a delay in submitting this Report, but pressure of work and other abnormal conditions account for this.

Once again it is a privilege to thank the Ladies and Gentlemen in the County who interest themselves in Medico-Social work and who carry out such a large amount of voluntary work, without which much that is done could not be accomplished.

I would express my thanks for help and advice to the Chairmen of the several Health Committees, the Clerk of the County Council, the Secretary of the Education Committee, my professional colleagues, the District Medical Officers of Health and the General Practitioners, and also the Sanitary Inspectors.

The staff in the Department as always have given me loyal service.

I am,

Your obedient Servant,

E. LEWYS-LLOYD,

County Medical Officer of Health.

Medical Officer's Report for 1940

OFFICERS OF THE AUTHORITY.

The changes in the list since it was published are:—

Public Assistance Officer:—Miss Anne Jenkins.

Assistant Medical Officer:—Dr. Katharine Rounsfell Brown, M.B., Ch.B., D.P.H.

Tuberculosis After-care Health Visitor:—Miss Z. Evans, S.R.N.

During 1940, Dr. A. L. Davies resigned his post as District Medical Officer (P.A.), Medical Officer P.A. Institution and Public Vaccinator, Bala, and Dr. Robert Jones was appointed temporary Medical Officer.

In the list of District Sanitary Inspectors the following changes are to be noted:—

Bala Urban:—Mr. G. Wynne Rees.

Festiniog Urban:—Mr. R. J. Owen.

Dolgelley Rural:—Mr. Idwal Roberts.

Penllyn Rural:—Mr. G. Wynne Rees.

Pennal C.P.:—Mr. Edward Mills.

SECTION A.

STATISTICS AND SOCIAL CONDITIONS.

Area.—The area of the County is 422,372 statute acres.

TABLE I.

Giving the population, number of inhabited houses, rateable value and product of a penny rate

	Population as enumerated census 1931	*Estimated population* 1940	*No. of inhabited houses taken from the Rate Books end of* 1940	*Rateable Value*	*Sum represented by a Penny Rate*		
Col. 1	2	3	4	5	6		
				£	£	s.	d.
County of Merioneth	43,201	41,610	..	182,788		..	
Total Urban Dist.	19,298	18,760	..	74,338		..	
Total Rural Dist.	23,903	22,940	..	108,450		..	
Urban Districts :							
Bala	1,460	1,622		6,778	26	9	11
Barmouth ..	2,645	2,619		15,632	59	13	10
Dolgelley	2,313	2,536	693	9,741	37	13	6
Festiniog	9,078	7,515	2,463	24,315	92	7	[illegible]
Towyn	3,802	4,378	1,138	17,872	69	0	6
Rural Districts:							
Deudraeth	7,429	7,374		57,246	227	9	[illegible]
Dolgelley	7,768	7,803		21,269	83	16	[illegible]
Edeyrnion	4,724	4,100		19,133	77	15	[illegible]
Penllyn	3,601	3,293		9,765	40	8	[illegible]
Peunal C.P. ..	381	370		1,037	4	4	

EXTRACT FROM VITAL STATISTICS

(which are required in this short form)

		Total	*M*	*F*		
Live Births	Legitimate	497	229	268	Birth rate per 1,000 estimated resident population	12.71
	Illegitimate	32	21	11		
Still Births		23	10	13	Rate per 1,000 total Live and Still Births	0.55
Deaths		684	331	353	Death rate per 1,000 estimated resident population	16.44

Deaths from puerperal causes headings 29 and 30 of the Registrar General's Short List :—

	Deaths	*Rate per 1,000 total live and still births*
No. 29 puerperal sepsis	0	..
No. 30 other puerperal causes	0	..
Total	0	..

Death rate of Infants under one year of age :—

All Infants per 1,000 live births	65.06
Legitimate infants per 1,000 legitimate live births	59.29
Illegitimate infants per 1,000 Illegitimate live births ..	156.25

Deaths from Cancer (all ages)	99
Deaths from Measles (all ages)	5
Deaths from Whooping Cough (all ages)	2
Deaths from Diarrhoea (under two years of age)	3

BIRTHS.

The number of births were higher in 1939 and in 1940 than in previous years.

The number registered for the calculation of the Birth Rate were 529, 250 boys and 279 girls, of whom 497 were legitimate and 32 illegitimate.

The birth rate for the year was 12.71, and the corresponding rate for England and Wales 14.6.

TABLE II.

Showing the number of births, with birth rates in the County and in the several Sanitary Districts.

	No. of births, 1940			Birth rate per 1,000 of pop'n	*Illegitimate Births*	
	Males	*Females*	*Total*		*No.*	*Rate per 1,000 popu'tion*
Col. 1	2	3	4	5	6	7
England and Wales	..	..	..	14.6	..	..
County of Merioneth	250	279	529	12.71	32	0.77
Total Urban Dist.	95	130	225	12.05	7	0.37
Total Rural Dist.	155	149	304	13.25	25	1.09
Urban Districts :						
Bala	9	12	21	12.95	1	0.62
Barmouth ..	11	22	33	12.59	1	0.38
Dolgelley ..	24	24	48	18.92	..	..
Festiniog	39	48	87	11.58	4	0.53
Towyn	12	24	36	8.22	1	0.23
Rural Districts :						
Deudraeth ..	51	54	105	14.78	6	0.81
Dolgelley	43	42	85	10.88	8	1.03
Edeyrnion ..	36	27	63	15.36	8	1.95
Penllyn	22	22	44	13.36	2	0.60
Pennal C.P. ..	3	4	7	18.91	1	2.70

DEATHS.

The total number of deaths of residents registered in the County in 1940 is 684. This number is found by deducting transfer deaths from the County to other areas, and adding those residents who have died outside the County.

Of the 684, 331 were males and 353 females.

The County death rate per 1,000 of the population is 16.44, and the corresponding rate for England and Wales is 14.3.

It will be noted that the death rate is higher than the average, and the birth rate is lower.

TABLE III.

showing the total numbers of deaths and for each sex within several County districts, with the rates per 1,000 of population.

	Number of Deaths in 1940			Death rate per 1,000 of population	Corrected Death rate
	Males	Females	Total		
Col. 1.	2.	3.	4.	5.	6.
England and Wales... ...				14.3	
County of Merioneth ...	331	353	684	16.44	14.47
Total Urban Districts ...	166	166	332	17.78	16.00
Total Rural Districts ...	165	187	352	15.34	13.34
Urban Districts:—					
Bala...	18	17	35	15.41	13.25
Barmouth	20	29	49	18.71	15.34
Dolgelley	23	17	40	15.77	15.30
Festiniog	70	65	135	17.96	17.60
Towyn	35	38	73	16.67	13.34
Rural Districts:—					
Deudraeth	48	46	94	12.75	11.98
Dolgelley	56	72	128	16.40	13.77
Edeyrnion	31	34	65	15.85	13.16
Penllyn...	27	28	55	16.70	14.69
Pennal C.P.	3	7	10	27.27	21.54

The "rates" in the corrected column are those obtained after the application of the "area comparability factor," and are corrected for age and sex variation and are strictly comparable.

TABLE IV.

Shows the principal causes of death, with the numbers in the Urban and Rural Districts.

Causes of death	*Number of deaths*			*Deaths in Urban Areas*	*Deaths in Rural Areas*	*Percentage of total deaths in 1940*
	Males	*Females*	*Total*			
Col. 1	2	3	4	5	6	7
Diseases of the circulatory System	87	95	182	84	98	26.6
Heart Diseases	72	82	154	68	86	22.5
Cancer, malignant disease	41	58	99	48	51	14.4
Cerebral Haemorrhage	29	40	69	30	39	10.0
Acute and Chronic Nephritis	19	22	41	17	24	6.0
Total deaths from Tuberculosis	19	19	38	15	23	5.5
Deaths from Pulmonary Tuberculosis	16	17	33	13	20	4.8
Pneumonia	13	11	24	13	11	3.5
Influenza	8	14	22	12	10	3.2

TABLE V.

Showing the total numbers of deaths, and for each sex in the several County Districts, with the rates per 1,000 of population, and a similar rate for past years.

	1940					*Death rates per 1,000 of population*		
	Number of deaths			*Death Rate per 1,000 of population*	*Mean death rate 1931 to 1936*	*Years*		
	Males	*Females*	*Total*			1937	1938	1939
Col. 1	2	3	4	5	6	7	8	9
England and Wales	..	..	..	14.3	12.0	12.4	11.6	12.1
County of Merioneth	331	353	684	16.44	15.3	16.8	15.9	15.6
Total Urban Districts	166	166	332	17.78	15.6	18.1	16.4	15.9
Total Rural Districts	165	187	352	15.34	14.9	15.7	15.6	15.4
Urban Districts :								
Bala	18	17	35	15.41	16.0	12.7	19.5	11.1
Barmouth	20	29	49	18.71	13.2	13.1	19.6	16.5
Dolgelley	23	17	40	15.77	14.9	17.2	11.0	13.1
Festiniog	70	65	135	17.96	15.8	21.2	16.1	17.4
Towyn	35	38	73	16.67	17.3	16.7	17.6	14.6
Rural Districts :								
Deudraeth	48	46	94	12.75	14.4	16.5	14.7	15.5
Dolgelley	56	72	128	16.40	15.1	16.6	17.4	16.6
Edeyrnion	31	34	65	15.85	15.0	14.2	14.1	14.6
Penllyn.....	27	28	55	16.70	14.9	13.3	14.8	14.0
Pennal C.P.	3	7	10	27.27	12.9	20.2	20.1	11.2

CANCER MALIGNANT DISEASE.

The total number of deaths from this cause was 99, equivalent to a death rate of 2.38 per 1,000 of the population, the highest death rate recorded.

The ages and sex of these deaths are shown under:—

TABLE VI.

Age Group	*URBAN Districts*		*RURAL Districts*	
	Males	*Females*	*Males*	*Females*
0 — 1	..	..	..	..
1 — 5	..	..	1	..
5 — 15	..	1	..	..
15 — 45	1	2	..	1
45 — 65	7	8	8	15
65 and upwards ..	15	14	9	17

This year the deaths from this disease were recorded under "sites," and these will be found under.

	Cancer of buccal cavity and oesophagus (M) uterus (F).		*Cancer of Stomach & duodenum.*		*Cancer of the breast.*		*Cancer of all other sites.*		*TOTAL ALL SITES.*	
	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.
County of Merioneth	5	5	14	18	0	8	22	27	41	58
Total Urban Districts ...	2	2	10	10	0	1	11	12	23	25
Total Rural Districts... ...	3	3	4	8	0	7	11	15	18	33
Urban Districts:—										
Bala	0	1	2	2	0	1	1	1	3	5
Barmouth	0	0	1	2	0	0	3	2	4	4
Dolgelley	0	0	1	0	0	0	1	1	2	1
Festiniog	1	1	6	3	0	0	4	7	11	11
Towyn	1	0	0	3	0	0	2	1	3	4
Rural Districts:—										
Deudraeth	0	2	0	1	0	3	3	2	3	8
Dolgelley	1	0	3	5	0	2	2	8	6	15
Edeyrnion	1	0	0	0	0	2	2	3	3	5
Penllyn...	1	1	1	2	0	0	4	0	6	3
Pennal C.P.	0	0	0	0	0	0	0	2	0	2

SECTION B.

GENERAL PROVISION OF HEALTH SERVICES FOR THE AREA.

1. *Officers.*

The changes in the list of Officers will be found at the beginning of this Report.

1. (ii) Laboratory facilities.

In November 1939 Laboratories were established at Aberystwyth and Conway, under the Medical Research Council, and Examinations are carried out by competent pathologists at each place.

The Laboratories are under the superintendence of Dr. Alun C. Jones at Aberystwyth, and Dr. Robinson at Conway, and have proved of immense value to Medical Practitioners and to the Authorities.

It is to be hoped that after the present crisis is over that these Laboratories will remain.

The examination of Milk samples is being carried out by the County Council at Aberystwyth as heretofore.

1. (ii)b Ambulance facilities.

1. For infectious cases an Ambulance is provided in connection with the County Isolation Hospital at Corwen.

2. For non-infectious cases. The Cottage Hospital at Blaenau Festiniog and Towyn have their own Ambulance. The Deudraeth Rural District Council have an Ambulance in co-operation with the Portmadoc Urban Council, and this is stationed at Cookes' Explosive Works, Penrhyndeudraeth.

Bala Urban and Penllyn Rural District Councils possess an Ambulance.

The Edeyrnion Rural District Council have provided an Ambulance for that district.

Dolgelley and Barmouth Urban District Councils have lately acquired an Ambulance for these districts, and it is stationed at Stokes Garage, Dolgelley.

1. (ii) (c) Nursing in the Homes.

This work is carried out by 18 Voluntary District Nursing Associations who employ State Registered Nurses, Queens' Nurses and "village" and/or independent nurses, who are all State Registered Midwives.

The duties placed upon the County Council under the Midwives Act 1936 have been delegated to the County and District Nursing Associations, for which the County Council makes an annual grant not exceeding £1,500.

The Midwives are supervised by the Non-Medical Supervisor of Midwives appointed by the County Council, Mrs. Eleanor Owen, who also acts as County Superintendent of General Nursing.

Grants are also made to District Nursing Associations for other work carried out for the County Council.

1. (ii) (d) Treatment Centres and Clinics.

These were set out in detail in the Report for 1938, and there has been no material change.

Notwithstanding the difficulties of the present time, all these Clinics have functioned without a break.

The Ante-Natal Clinics are in the Medical charge of Mr. J. Gardener Wigley, F.R.C.S. (England), and held in the three hospitals of the County in rotation, and are very well attended.

For cases from Penllyn and Edeyrnion districts, special arrangements are made with Mr. Wigley through the County Medical Officer, and application must be made to him before cases can be sent to this Clinic.

Dental.

It is a matter of great regret that so few cases of expectant mothers avail themselves of the scheme of Dental Treatment provided for them by the Council. Of its need there can be no question.

Venereal Diseases.

The County Council has in conjunction with the County Councils of Anglesey and Caernarvonshire established a treatment Centre at the Caernarvonshire and Anglesey Infirmary, Bangor.

The Centre is open for male patients on Tuesday, from 2—5 p.m., and for female patients on Fridays, from 2—5 p.m.

The pathologist under the scheme is Prof. T. B. Davies, M.D., M.R.C.P., The Thompson Yates Laboratories, The University, Liverpool, and speciments should be sent, if possible, to reach the Laboratory on Thursday in any week.

Outfits will be supplied to any Medical Practitioner on application to the County Medical Officer, County Offices, Dolgelley.

Six specimens for Microscopal detection of organisms were sent from the treatment Centre, and nine for Wasserman tests.

Seven were also sent for Hospital and eight by Private Practitioners.

SHORT TABULAR STATEMENT OF THE TREATMENT OF CASES AT THE BANGOR APPROVED CENTRE.

	Syphilis		*Gonorrhea*		*Total*		*G'nd Tot.*
	M	*F*	*M*	*F*	*M*	*F*	
Number of Cases under treatment or observation. Jan. 1st, 1940 ..	..	1	1	..	1	1	2
Number of cases dealt with for the first time during the year	3	2	3	5	6	7	13
Number of cases discharged after completion of treatment	1	1	3	5	4	6	10
Number of cases remaining Dec. 31, 1940	2	2	1	0	3	2	5
Number of attendances for individual attention of M.O.	30	25	12	10	42	35	77
Inpatients — aggregate number of 'inpatient' days of treatment given	48	56	25	61	73	117	190

One case of Gonorrhoea was also treated at Wrexham.

HOSPITALS. — PUBLIC AND VOLUNTARY.

The list is as printed in the 1938 Report, except that a County Isolation Hospital has been opened at Corwen. This is a temporary institution, but the benefits of this place has been so appreciated that a permanent building in some central place will have to be provided as one of our peace measures.

PUBLIC ASSISTANCE.

Institutional Medical Service.

The three Public Assistance Institutions in the County are placed at Bala, Dolgelley and Penrhyndeudraeth, and a Children's Home at Corwen.

For Public Assistance cases needing admission to hospital, a Scheme was sanctioned by the Committee in 1935.

No. of cases admitted during the year:—

Name of Hospital	*Male*	*Female*	*TOTAL*
Dolgelley Cottage Hospital	1	2	3

Casual Wards.

The Casual Wards at Corwen and Bala have been closed. There are Wards at Dolgelley and Penrhyndeudraeth.

Institutional Provision for the care of Mental Defectives.

A part of Llys Ednyfed Public Assistance Institution has been set apart for the reception of Certified Mental Defectives of both sexes of low grade over the age of 16 years. The control of the Institution is vested in the Public Assistance Committee.

In addition, the County Council has entered into agreements with the Local Authorities of Caernarvonshire and Montgomeryshire for the reception of children under 16 to Institutions maintained by these Authorities, and with Denbighshire and the Incorporation of National Institutions for the admission of female cases over 16 years.

Cases from other Counties are admitted to Llys Ednyfed by agreement.

	Males	*Females*	*Total*
1. Under "orders"			
(*a*) In Institutions:			
(*i*) Under 16 years	1	..	1
(*ii*) Over 16 years	11	17	28
2. Action not yet taken: Notified by Local Education Authority	..	..	..
3. Mental Defectives in receipt of Poor Law Relief:			
(*a*) The Public Assistance Institutions not approved under Section 37, of the M.D. Act..	5	12	17
(*b*) In receipt of domiciliary relief	10	14	24
(*c*) Otherwise "ascertained" ..	6	10	16

MATERNITY AND CHILD WELFARE.

Midwifery and Maternity Services.

TABLE VII.

Number of State Certified Midwives.

	Number who notified their intention to practise during the year	*Number who left during the year*	*Number on the Register on the 31st Dec., 1940*
1. Independent Midwives	11	..	11
2. Midwives in Hospitals or Maternity Homes	7	1	6
3. Midwives in Public Assistance Institutions	1	..	1
4. Midwives employed by the District Nursing Associations ..	28	2	26
Total	47	3	44

Medical Aid.

State Certified Midwives *must* call in a registered Medical Pra
titioner in all cases of illness of the patient or child or in a
abnormality occuring during pregnancy, labour or lying in.

Fees are paid to the Doctors called in as above by the Coun
Council in accordance with a scale drawn up by the Ministry
Health, but the County Council has power to recover this f
from the person liable to maintain the patient.

Ante-Natal Conditions:—

Haemorrhage	4
Abortion...	1
Threatened Miscarriage... ...	3
Albuminuria	3
Fits	1
Dangerous Varicose Veins ...	1
Rigor	1
Failure of head to engage ...	1
	15

Natal Conditions:—

Delayed 1st Stage...	4
Delayed 2nd Stage	12
Posterior Position...	4
Contracted Pelvis	3
Malpresentation	8
Diabetes	1
Eclampsia	1
"Poor Pulse"	1
Precipitate Labour	2
Placenta Praevia	1
	37

Post-Natal Conditions:—

Retained Placenta...	
Torn Perineum...	
P.P.H.	
Post Maturity	
Swollen Leg	
Heart Attacks	
Sore Throat & Temperature.	
Severe After Pains	

Condition of Child:—

Feebleness	
Abnormality	
Discharging Ears	
Prematurity...	
Rash	

TOTAL ... 99.

Notified Births.

TABLE VIII.

	No. of Births		*No. of Births notified by*		*No. of cases attended by doctors and certified mid-wives*	*Notifications received from Registrars of births*
	Registered	*Notified*	*Doctors*	*State certified mid-wives*		
Col. 1.	2	3	4	5	6	7
County of Merioneth	529	479	3	279	194	3
Total Urban Dist.	225	259	1	152	104	2
Total Rural Dist.	304	220	2	127	90	1
Urban Districts :						
Bala	21	20	..	12	8	..
Barmouth ..	33	29	..	11	16	2
Dolgelley	48	58	..	32	26	..
Festiniog	87	73	1	47	25	..
Towyn	36	79	..	50	29	..
Rural Districts :						
Deudraeth ..	109	96	..	58	38	..
Dolgelley	85	39	2	22	15	..
Edeyrnion ..	63	50	..	34	15	1
Penllyn.....	44	33	..	11	22	...
Pennal C.P. ..	7	2	..	2	..	..

Still Births.

It is a statutory duty for doctors and certified midwives to *notify* every case of stillbirth, and this birth must be *registered* also.

The ordinary prepared notification of birth post-card should be used, but it should be marked S.B. During the year 1940 5 such births were not notified though registered.

The total stillbirths registered were 23.

TABLE IX.

Giving the number of still births registered and notified wit certain "still birth" rates.

	Number of Still-births in Registrar General's Return	No. of cases of still births notified by				Number of cases attended by Doctor and state certified Midwife	Still birth rate per 1000 of population	Still birth rate per 1000 Total Births (live and still
		No. Notified	Doctors	State certified Midwives	Registrar of Births			
Col. 1.	2	3	4	5	6	7	8	9
England and Wales	..	..	..	..	..	..	0.55	...
County of Merioneth.....	23	19	1	6	..	12	0.55	...
Total Urban Dist.	12	9	..	4	..	5	0.64	...
Total Rural Dist.	11	10	1	2	..	7	0.47	...
Urban Districts:								
Bala	2	2	..	..	..	2	1.23	..
Barmouth ..	..	..	..	..	..	..	..	..
Dolgelley	2	1	..	1	..	..	0.79	..
Festiniog	6	3	..	2	..	1	0.79	..
Towyn	2	3	..	1	..	2	0.23	..
Rural Districts:								
Deudraeth ..	3	6	1	2	..	3	0.41	..
Dolgelley	2	3	..	..	..	3	0.26	..
Edeyrnion ..	3	..	..	..	..	..	0.73	..
Penllyn.....	3	1	..	..	..	1	0.91	..
Pennal C.P. ..	..	..	..	..	..	..	..	..

INFANT WELFARE CENTRES.

These Centres continue to play a very important part in t schemes for the care of infants, and the reports of the Medic

Officers show how much they are appreciated, and pay high tribute to the devotion and enthusiasm of the various Committees and the Honorary Secretaries.

After the War some plans will have to be evolved to bring in under the observation of these Clinics the children from the more rural areas. Would a Travelling Clinic solve the question?

From the returns furnished after each Centre has been held, it appears that during 1940, 249 children under one, attended for the first time, and 66 over one. These are an improvement upon former years, but there is yet room for greater expansion.

During 1940 the children made a total attendance of 3,881.

TABLE X.

INFANT WELFARE CENTRES

		Total number of children in attendance			*Average number of children in attendance*			*Number of children in attendance for the first time*		
Centre	No. of Meetings	Total	Under one	One to five	Total	Under one	One to five	Total	Under One	One to five
Bala	24	392	216	176	16	9	7	29	23	6
Barmouth	23	587	192	395	26	8	17	39	30	9
Corwen ..	12	217	62	155	18	5	13	25	20	5
Dolgelley	27	650	200	450	24	7	17	40	28	12
Festiniog	23	638	264	374	28	11	16	64	48	16
Harlech ..	12	224	110	114	19	9	12	32	24	8
Penrhyn	24	478	187	291	20	8	12	28	24	4
Towyn ..	24	569	206	363	24	9	15	48	43	5
Trawsfynydd..	12	126	25	101	11	2	8	10	9	1

TABLE XI.

INFANT MORTALITY.

Showing causes of death and number of infants who died under one year of age in the several County districts, 1940

	URBAN						RURAL						
	Bala	*Barmouth*	*Dolgelley*	*Festiniog*	*Towyn*	*Total Urban Districts*	*Deudraeth*	*Dolgelley*	*Edeyrnion*	*Penllyn*	*Pennal*	*Total Rural Districts*	*Total County*
Col. 1.	2	3	4	5	6	7	8	9	10	11	12	13	14
1 Measles	..	..	..	..	..	..	..	..	1	..	..	1	1
2 Whooping Cough	..	..	..	1	..	1	..	..	..	..	..	..	1
3 Bronchitis	..	..	..	1	..	1	1	1	..	..	..	2	3
4 Pneumonia	..	..	1	..	..	1	1	..	..	1	..	2	3
5 Meningitis	..	..	..	..	..	..	..	..	..	..	1	1	1
6 Gastro-enteritis	..	..	..	1	..	1	1	..	..	..	..	1	2
7 Marasmus	1	..	..	..	..	1	1	..	..	..	..	1	2
8 Convulsions	..	1	..	1	..	2	..	1	..	..	1	2	4
9 Prematurity	..	..	..	1	..	1	3	1	1	..	..	5	6
10 Difficult Labour	..	..	..	1	..	1	..	2	..	1	..	3	4
11 Congenital causes	..	..	..	1	..	1	1	..	..	..	1	2	3
12 Other defined diseases	..	..	1	2	..	3	..	..	1	1	..	2	5

TABLE XII.

INFANT MORTALITY, 1940

Ages at death	Number of deaths at different age periods											
	Under 1 week	1 to 2 weeks	2 to 3 weeks	3 to 4 weeks	Total under 1 month	4 weeks and under 3 months	3 months and under 6 months	6 months and under 9 months	9 months and under 12 months	Total 2–12 months	Total under 12 months	Infant mortality rate per 1,000 live births
Col. 1.	2	3	4	5	6	7	8	9	10	11	12	13
England & Wales												55
County of Merioneth	9	3	4	1	17	5	8	2	3	18	35	65.1
Total Urban Areas	3	..	2	..	5	2	4	1	1	8	13	56.3
Total Rural Areas	6	3	2	1	12	3	4	1	2	10	22	71.7
Urban Districts:												
Bala	..	..	..	..	..	1	..	..	..	..	1	45.5
Barmouth ..	..	..	1	..	1	..	..	..	..	..	1	30.3
Dolgelley	..	..	..	..	..	..	1	1	..	..	2	40.0
Festiniog	3	..	1	..	4	1	3	..	1	5	9	102.3
Towyn	..	..	..	..	..	..	..	..	..	..	..	..
Rural Districts :												
Deudraeth ..	1	1	2	..	4	1	1	1	1	4	8	75.5
Dolgelley	3	1	..	..	4	..	1	..	..	1	5	58.8
Edeyrnion ..	1	..	..	1	2	..	..	..	1	1	3	46.2
Penllyn	1	1	..	..	2	..	1	..	..	1	3	68.2
Pennal C.P. ..	..	..	..	..	..	2	1	..	..	3	3	428.6

TABLE XIII.

Giving the causes of deaths of infants under one year and the ages at death, 1940

Cause of death	Numbers of deaths of infants at the several age periods										
	Under one week	*1 to 2 weeks*	*2 to 3 weeks*	*3 to 4 weeeks*	*Total under 1 month*	*4 weeks and under 3 months*	*3 months and under 6 months*	*6 months and under 9 months*	*9 months and under 12 months*	*Total 2—12 months*	*Total under 12 months*
Col. 1.	2	3	4	5	6	7	8	9	10	11	12
1 Measles	..	..	..	..	..	..	..	..	1	1	1
2 Whooping Cough	..	..	..	..	..	..	..	..	1	1	1
3 Bronchitis	..	..	..	..	..	..	2	..	1	3	3
4 Pneumonia	..	..	..	..	..	..	1	2	..	3	3
5 Meningitis	..	..	..	..	..	..	1	..	..	1	1
6 Gastro-enteritis	..	..	..	..	..	2	..	..	..	2	2
7 Marasmus	..	..	..	..	..	1	1	..	..	2	2
8 Convulsions	..	1	2	..	3	1	..	..	..	1	4
9 Prematurity	3	1	2	..	6	..	..	..	..	..	6
10 Difficult Labour	4	..	..	..	4	..	..	..	..	..	4
11 Congenital causes	2	..	..	..	2	1	..	..	..	1	3
[illegible]	..	1	..	1	2	..	3	..	..	3	5

MATERNAL MORTALITY.

There were no maternal deaths registered during the year 1940, the first time since 1911.

ANTE-NATAL AND POST-NATAL SCHEMES.

One Scheme is a general practitioner scheme by which non-insured women who have engaged a state certified midwife can be seen by a doctor of their own choice. 25 such cases were seen ante-natally and 2 post-natally. There is room for the extension of this service, especially in the examination of women post-natally.

The other Scheme provides for ante-natal clinics now held every 6 weeks at the three Cottage Hospitals in rotation, and the cases are seen by Mr. J. Gardiner Wigley. These clinics are closely connected with the hospital scheme for difficult cases, as Mr. Wigley is the Obstetric Consultant to the City Hospital, Chester, where our "difficult cases" are sent.

A letter is sent to every doctor in the County before each clinic, and patients can attend at any clinic irrespective of the area in which they live. A report is sent to any doctor not able personally to consult Mr. Wigley at these clinics.

55 cases were seen ante-natally and five post-natally.

TABLE XIV.

Showing the rate per 1,000 Live Births of the deaths of mothers in child-birth in the County, with similar rates for England and Wales.

Period	*Puerperal Fever*		*Other accidents and diseases of Pregnancy*		*Totals of Columns 2 and 4 and 3 and 5*	
	Merioneth	*England and Wales*	*Merioneth*	*England and Wales*	*Merioneth*	*England and Wales*
Col. 1.	2	3	4	5	6	7
1911–1915	2.6	1.5	5.4	2.3	8.0	3.6
1916–1920	1.3	1.6	4.3	2.3	5.6	3.9
1921–1925	1.8	1.6	2.7	2.5	2.7	4.1
1926–1930	1.7	1.7	3.8	2.5	5.5	4.3
1931–1935	2.2	1.8	5.1	2.4	6.8	4.3
1936–1940	0.8	0.9	3.0	2.1	3.7	3.0
1940	..	0.52	..	1.64	..	2.16

HEALTH VISITING.

No change has been made in the Health Visiting Schemes. The total number of "first visits" paid by part time Health Visitors is 464, and the total number of visits paid were 1,953, while the total visits to children between 1 and 5 years numbered 2,790.

TABLE XV.

Showing the number of Health Visits paid by the part-time Health Visitors

Districts	*Visits to children 0–1 years of age*		*Visits to children 1–5 years of age*	*Total Health visits to children 0–5*
	Primary Visits	*Total Visits*		
Aberdovey	16	90	73	163
Bala	54	238	308	546
Barmouth	28	92	129	221
Corris	6	31	63	94
Corwen	42	197	259	456
Dinas Mawddwy	5	38	69	107
Dinmael	6	28	28	56
Dolgelley	71	223	320	543
Dyffryn	10	45	68	113
Fairbourne	14	49	69	118
Festiniog	74	348	526	874
Harlech	25	93	125	218
Llanbedr	6	21	59	80
Llanegryn	19	53	99	152
Maentwrog	7	34	64	98
Penrhyndeudraeth	35	133	175	308
Towyn	23	79	149	228
Trawsfynydd	23	161	207	368
Totals	464	1,953	2,790	4,743

CHILD LIFE PROTECTION.

It is not probably as well known as it should be that if any person receives a child to maintain for reward he or she should communicate with the County Medical Officer, Dolgelley.

Every assistance will be given.

There were 10 such persons registered at the end of the year, and the number of children on the register were 32.

The increase in the number of children is due to the evacuation of some children to the area.

CASES.

OPHTHALMIA NEONATORUM.

One case was notified during the year 1940.

Tuberculosis.

The After-Care Scheme which was adopted by the County Council in June, 1938, was in force during the year 1940, and the Committee appointed a full-time Tuberculosis Health Visitor on the 5th June, 1940.

CASES:—				*Type.*	
Area:	*Male.*	*Female.*	*Total.*	*P.T.*	*N.P.T.*
County	229	217	446	389	57
Total Urban Districts	153	107	260	221	39
Total Rural Districts..	76	110	186	168	18
Urban Districts:—					
Bala	9	7	16	13	3
Barmouth	10	9	19	15	4
Dolgelley	11	15	26	23	3
Festiniog	109	56	165	147	18
Towyn	14	20	34	23	11
Rural Districts:—					
Deudraeth	39	63	102	96	6
Dolgelley	18	23	41	32	9
Edeyrnion	11	13	24	22	2
Penllyn	8	11	19	18	1

The work done under the direction of this Committee is of great value, and letters of thanks are received from the patients.

The visits of the Health Visitor are appreciated by them. The help given in kind and by helpful advice can not but be productive of good.

It is early days to be able to prove this either statistically or otherwise, but this work is filling up a weak spot in the treatment of tuberculosis.

ORTHOPAEDIC CASES.

This Scheme continues to be exceptionally successful.

	Under 5 years of age	5—16 years	Over 16 years	Tot
Total Number of Cases on Books, 1: 1: 40	15	87	91	1
Admitted during the year ...	23	41	62	1
Total Number of Cases treated during the year ...	30	125	153	3
Cured	0	12	12	
Improved	0	8	13	
Ceased to attend...	2	9	13	
Left District	1	4	3	
Treated elsewhere	0	0	2	
Discharged during the year ...	11	36	43	
Attendances during the year...	104	516	398	1
Appliance Supervision...	0	1	22	
On Books, 31: 12: 40	27	91	88	

WATER SUPPLIES AND SEWERAGE.

From the Reports received, there is no change in the Water supplies of the various districts.

This same remark applies to Sewerage.

POLLUTION OF RIVERS AND STREAMS.

In County and District Reports of previous years attention has been called to the dumping of ashes and filth in the streams in the area. The same complaints were received during 1940.

NUMBER OF CLOSETS SERVING MORE THAN ONE HOUSE.

In such reports as have been sent to this office, it appears that there is no decrease in the number of closets serving more than one house.

PUBLIC CLEANSING.

There appears to be no change in this service, and the conditions are as set out fairly fully in the Report for 1938.

PUBLIC CONVENIENCES.

Even in these difficult days of war, the provision of these is necessary on the grounds of public health and decency.

SCHOOLS.

There is nothing to report here, but if any complaints are received, the District Medical Officers of Health are good enough to report the same, and in conjunction with the County Architect every endeavour is made to remedy the defects as soon as possible.

SCHOOL CLOSURES.

These will be found in the School Report for 1940.

HOUSING.

As I said last year, the war has put an end to the construction of new houses, but I think that all the Local Authorities should even now proceed with plans for the future, so that when circumstances permit, and we have peace, erection of new houses can be carried out. There is still room for improvement.

OVER-CROWDING.

During the present crisis it is inevitable that there will be some over-crowding here and there.

HOUSING (RURAL WORKERS) ACTS, 1926 and 1931.

During 1940 no applications were received for grants, but the following grants were made and paid during the year (applications received previous years):—

	Amount of Grant
Bryn Cottages, Bryn S.M. nr. Corwen (3 cottages)...	£285 0
Tanrhiw Cottages, Llanfair, No. 1	£40 0

INSPECTION AND SUPERVISION OF FOOD.

Milk.

During the year 1940 the inspection of the Milk produced in the County proceeded very much as usual, and samples for examination for tubercle were sent to the Laboratory at Aberystwyth.

TABLE XVI.

Name of Article	*Number of Samples*	*Results of Analyses*		*Legal proceedings Fines and costs*	*Information as to previous convictions*	*If no legal proceedings what course adopted*	*Remarks*
		Genuine	*Adulterated*				
Milk	41	35	6	Case No. 1. Fined 34/- and costs. 2 and 4 dismissed. 5. Fined 10/- & 30/- costs. 6. Fined £5 and 30/- costs.			1. 13% deficient in fat. 'Appeal to Cow' slightly below standard for fat. 2. 7% added water. 3. Slightly below standard for solids non-fat; no added water. 4. 5% added water. 'Appeal to Cow' above standard. Freezing point normal. 5. 20% deficient in fat. 'Appeal to Cow' above standard. 6. 10% added water. 'Appeal to Cow' below standard for fat. Above standard for solids non-fat. Freez-point normal.
Vinegar	6	6	..				
Pepper	6	6	..				

PREVALENCE OF AND CONTROL OVER INFECTIOUS AND OTHER DISEASES.

Active immunisation against Diphtheria was started in 194 and the District Councils, with the exception of Festiniog, del gated the work under Section 177 of the Public Health Act, 193 to the County Council.

The Urban District of Festiniog decided to carry out this worl in January, 1941.

Up to the end of 1940, 785 children under 5 years, and 24 children over 5 years of age were immunised, and it may be o interest to know that during the year 1941, 496 children unde 5 years of age, and 1659 children over 5 years of age, were im munised.

ISOLATION HOSPITAL.

The temporary Isolation Hospital, Colomendy, Corwen, wa opened on the 16th September, 1940, for the accommodation o cases of Scarlet Fever and Diphtheria.

Sister-in-charge:—Miss M. Twigg, S.R.N.

The number of cases admitted during 1940 were:—

	Residents.		*Evacuees.*	
	Male.	*Female.*	*Male.*	*Female*
Scarlet Fever...	0	3	1	1
Diphtheria...	7	5	0	0

This temporary Isolation Hospital has proved a very great boo during the present times of stress, and it is to be sincerely hope that it will continue permanently as an adjunct to the Medica Services provided by the County Council, but the site of th Hospital should be more centrally situated.

Vaccination.

For the sake of economy of paper and time, the usual Tabl are not printed again this year, but the percentage of childre vaccinated compares favourably with previous years.

Prevention of Blindness.

No action was apparently taken by the Local Sanitary Author ities in this direction.

Cancer.

The County Council has made provision for cases unable to obtain treatment through their own doctors or otherwise to obtain this treatment on application to the County Medical Officer.

Ophthalmia Neonatorum.

One case was notified during the year 1940.

NEW CASES OF, AND MORTALITY FROM, TUBERCULOSIS, taken from copies of the Notification received and from the death returns, 1940:—

Age Periods	New Cases				Deaths			
	Respiratory		Non-respiratory		Respiratory		Non-respiratory	
	Males	Females	Males	Females	Males	Females	Males	Females
0–1	..	..	..	..	..	..	..	..
1–5	..	..	1	2	..	..	..	..
5–15	1	9	2	1	..	1	1	..
15–25	10	12	1	1	2	3	1	2
25–35	4	12	1	1	..	5	1	..
35–45	6	2	1	2	4	1	..	..
45–55	1	2	..	..	2	2	..	..
55–65	4	2	..	..	5	..	..	..
65 & upwards	3	4	..	..	3	5	..	..
Total..	29	43	6	7	16	17	3	2

Number of New Cases notified by Tuberculosis Officer... ... 405

Number of Cases found to be suffering from Pulmonary Tuberculosis ... 52

Do. Do. Non-Pulmonary Tuberculosis ... 10

Do. Do. Non-Tuberculous 259

TABLE XVII. Cases sent to Hospital and Sanatoria

TUBERCULOSIS	RESIDENTIAL TREATMENT					
	HOSPITAL				SANATORIUM	
	PULMONARY		NON-PULMONARY		PULMONARY	
	Definite Pulmonary Tuberculosis	Doubtful	Definite Non-Pulmonary Tuberculosis	Doubtful	Definite Tuberculosis	Doubtful
In Institutions on the first day of January, 1940	15	..	4	..	13	2
Number admitted during the year 1940	35	5	12	1	24	10
Number transferred from other Institutions	..	..	..	1	1	..
TOTAL	50	5	16	2	38	12
Discharged Quiescent	10	..	1	..	10	2
" Improved	16	..	3	..	11	4
" No material Improvement	8	..	1	..	4	1
Doubtfully tuberculous *Discharged* as tuberculous	..	1	..	1	..	..
" " " as non-tuberculous	..	3	..	1	..	..
" " " as doubtfully tuberculous	..	..	..	..	..	..
Number who died in Institutions	4	..	..	..	..	..
Number transferred	..	..	2	..	..	..
Number in Institutions 31st December, 1940	12	1	9	..	13	5

AIR RAID PRECAUTIONS.

SCHEME: The Air Raid Precautions Scheme continued to operate throughout the County during the year. The County Medical Officer is responsible for the organisation of all the Air Raid Casualty Services — hospitals, first aid posts, parties and points, ambulances and cars for sitting cases. These services are placed in the various districts of the County.

The hospitals, which are in Class 1 B, are at Blaenau Festiniog, Dolgelley and Towyn, and each has an Annexe equipped by the Ministry of Health.

The other hospitals in this category are:—the Public Assistance Institutions at Bala, Dolgelley and Penrhyndeudraeth.

There are two Mobile Units, one at Blaenau Festiniog, and the other at Towyn. Each is in the charge of a Medical Officer and a Trained Nurse.

These have their equipment packed in boxes and can be transported to any place where casualties have occurred.

First Aid Parties.—8 have been established in the County,—one each at Corwen, Bala, Dolgelley, Barmouth, Penrhyndeudraeth and Towyn, and 2 at Blaenau Festiniog.

First Aid Points are located in various villages throughout the County and 54 have been sanctioned. Each is supplied with a box of first aid equipment, and is in the charge of a person trained in first aid helped by three or four other men and/or women.

Ambulances.—There are 12 A.R.P. Ambulances in this Service, some of which are converted Vans.

TABLE XVIII.—INFECTIOUS DISEASES

	Scarlet Fever			Diphtheria			Whooping Cough			Erysipelas		Measles			Pneumonia			Puerperal Pyrexia			Numbers of Cases of	
	No. of cases	Incidence per 1,000 of population	No. of deaths	No. of cases	Incidence per 1,000 of population	No. of deaths	No. of Cases	Incidence per 1,000 of population	No. of Deaths	No. of Cases	Incidence per 1000 of population	No. of Cases	Incidence per 1000 of population	No. of deaths	No. of Cases	Incidence per 1000 of population	No. of deaths	No. of Cases	Incidence per 1000 live births	No. of deaths	Enteric Fever	Smallpox
Col. 1.	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
England & Wales	..	1.63	..	..	1.16	..	..	1.34	..	..	0.33	..	10.24	..	..	1.20	..	..	..	..	..	..
County of Merioneth	57	1.31	..	63	1.51	2	73	1.75	2	2	0.04	328	7.88	5	23	0.55	24	3	0.07	..	..	...
Total Urban Dist.:	29	1.55	..	42	2.25	2	62	3.32	2	..	..	186	9.96	2	7	0.37	13	2	0.01	..	..	..
Total Rural Dist.:	28	1.22	..	21	0.92	..	11	0.48	..	2	0.08	142	6.19	3	16	0.69	11	1	0.04	..	..	..
Urban Districts:																						
Bala	6	3.69	..	9	5.54	..	1	0.61	..	..	..	11	6.78	..	..	..	..	..	..	..	..	..
Barmouth ..	..	..	..	..	..	..	..	..	..	..	..	13	4.96	..	..	..	..	..	..	..	..	..
Dolgelley	14	5.52	..	3	1.18	..	1	0.39	..	..	..	74	29.18	..	1	0.39	4	..	..	..	..	..
Festiniog	4	0.53	..	28	3.72	2	49	6.51	2	..	..	42	5.58	..	3	0.39	7	2	0.26	..	..	..
Towyn	5	1.14	..	2	0.46	..	11	2.51	..	..	..	46	10.50	2	3	0.68	2	..	..	..	..	..
Rural Districts :																						
Deudraeth ..	2	0.27	..	9	1.22	..	..	..	..	1	0.13	63	8.54	..	6	0.81	3	..	..	..	..	..
Dolgelley	9	1.15	..	10	1.28	..	10	1.28	..	1	0.12	40	5.12	1	3	0.38	3	1	0.12	..	..	..
Edeyrnion	6	1.46	..	..	..	..	1	0.24	..	..	..	32	7.80	1	7	1.70	2	..	..	..	..	..
Penllyn	11	3.34	..	2	0.60	..	..	..	..	..	..	5	1.52	1	..	..	2	..	..	..	..	..
Pennal C.P. ..	..	..	..	..	..	..	..	..	..	..	..	2	5.40	..	..	..	1	..	..	..	..	..

TABLE XIX.: Showing the ages at death from the several causes in Urban and Rural Districts

URBAN

No.	CAUSES OF DEATH	All Ages		under 1 year		1 and under 5 years		5 and under 15 years		15 and under 45 years		45 and under 65 years		65 years and upwards		All Ages	
	CAUSES OF DEATH	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
1	Typhoid & Paratyphoid Fevers	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
2	Cerebro-Spinal fever	2	..	..	..	..	..	..	..	2	..	..	..	..	..	1	..
3	Scarlet fever	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
4	Whooping Cough	1	1	1	..	..	..	..	1	..	..	..	..	..	..	..	..
5	Diphtheria	1	1	..	..	1	1	..	..	..	..	..	..	..	..	..	..
6	Tub. of respiratory system	9	4	..	..	..	..	..	1	5	2	4	..	..	1	7	13
7	Other forms of Tuberculosis	1	1	..	..	..	..	..	..	1	1	..	..	..	..	2	1
8	Syphilitic diseases	1	..	..	..	..	..	..	..	..	..	..	..	1	..	1	..
9	Influenza	4	8	..	..	..	..	..	..	..	..	..	1	4	7	4	6
10	Measles	2	..	..	..	1	..	1	..	..	..	..	..	..	..	1	2
13	Cancer of buccal cavity Oesophagus (M), uterus (F)	2	2	..	..	..	..	..	..	..	1	1	1	1	..	3	3
14	Cancer of stomach & duodenum	10	10	..	..	..	..	..	..	..	1	3	3	7	6	4	8
15	Cancer of breast	..	1	..	..	..	..	..	..	..	..	..	..	..	1	..	7
16	Cancer of all other sites	11	12	..	..	..	..	..	1	1	..	3	4	7	7	11	15
17	Diabetes	2	2	..	..	..	..	..	..	..	..	1	..	1	2	..	4
18	Intra cranial vascular lesions	15	15	..	..	..	..	..	..	..	..	4	2	11	13	14	25
19	Heart diseases	33	35	..	..	..	..	..	..	1	1	6	5	26	29	39	47
20	Other diseases of circulatory system	9	7	..	..	..	..	..	..	..	..	1	1	8	6	6	6
21	Bronchitis	11	6	1	..	1	..	..	..	..	2	2	1	7	3	8	9
22	Pneumonia	6	7	..	1	4	..	..	..	..	2	2	1	..	3	7	4
23	Other respiratory diseases	5	3	..	..	..	..	..	..	1	1	3	1	1	1	5	..
24	Ulcer of stomach & duodenum	2	..	..	..	..	..	..	..	1	..	..	..	1	..	..	1
25	Diarrhoea under 2 years	2	..	1	..	1	..	..	..	..	..	..	..	..	..	..	1
26	Appendicitis	1	..	..	..	..	..	1	..	..	..	..	..	..	..	1	..
27	Other digestive diseases	5	5	1	..	..	..	..	..	..	1	1	1	3	3	5	3
28	Nephritis	4	13	..	..	..	..	..	..	1	..	2	5	1	8	15	9
29	Puerperal & post abortion sepsis	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
30	Other maternal causes	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
31	Premature birth	..	1	..	1	..	..	..	..	..	..	..	..	..	..	2	3
32	Congenital causes, birth injuries, infant diseases	..	3	..	3	..	..	..	..	..	..	..	..	..	..	4	2
33	Suicide	..	2	..	..	..	..	..	..	..	..	..	2	..	..	4	..
34	Road traffic accidents	1	..	..	..	..	..	1	..	..	..	..	..	..	..	2	1
35	Other violent causes	5	4	..	1	1	..	..	..	2	1	2	2	..	..	6	3
36	All other causes	21	23	2	1	3	..	1	1	1	3	5	7	9	11	13	14
	ALL CAUSES	166	166	6	7	12	1	4	4	16	16	40	37	88	101	165	187

RURAL

No.	CAUSES OF DEATH	under 1 year		1 and under 5 years		5 and under 15 years		15 and under 45 years		45 and under 65 years		65 and upwards	
	CAUSES OF DEATH	M	F	M	F	M	F	M	F	M	F	M	F
1	Typhoid & Paratyphoid Fevers	..	..	..	..	..	..	..	..	..	..	..	..
2	Cerebro-Spinal fever	..	..	..	..	..	..	..	..	..	..	..	..
3	Scarlet fever	..	..	..	..	..	..	1	..	..	..	..	..
4	Whooping Cough	..	..	..	..	..	..	..	..	..	..	..	..
5	Diphtheria	..	..	..	..	..	..	..	..	..	..	..	..
6	Tub. of respiratory system	..	..	..	..	..	..	..	..	..	..	..	..
7	Other forms of Tuberculosis	..	..	..	..	..	..	2	8	2	1	3	4
8	Syphilitic diseases	..	..	..	..	1	..	1	1	..	..	..	..
9	Influenza	..	..	..	..	..	..	1	..	..	..	..	..
10	Measles	..	..	..	..	..	..	..	1	..	1	4	4
13	Cancer of buccal cavity Oesophagus (M), uterus (F)	..	1	1	1	..	..	..	..	..	..	..	..
14	Cancer of stomach & duodenum	..	..	..	..	..	..	..	1	1	2	2	..
15	Cancer of breast	..	..	..	..	..	..	..	..	2	4	2	4
16	Cancer of all other sites	..	..	..	..	..	..	..	..	..	3	..	4
17	Diabetes	..	..	1	..	..	..	..	..	5	6	5	9
18	Intra cranial vascular lesions	..	..	..	..	..	..	..	..	..	1	..	3
19	Heart diseases	..	..	..	..	..	..	..	..	2	6	12	19
20	Other diseases of circulatory system	..	..	..	..	..	..	1	..	10	10	28	37
21	Bronchitis	..	..	..	..	..	..	..	..	2	1	4	5
22	Pneumonia	..	2	..	..	..	..	..	..	1	..	7	7
23	Other respiratory diseases	3	1	..	1	..	..	2	1	2	..	..	1
24	Ulcer of stomach & duodenum	..	..	..	..	..	..	..	..	3	..	2	..
25	Diarrhoea under 2 years	..	..	..	..	..	..	..	..	..	1	..	..
26	Appendicitis	..	1	..	..	..	..	..	..	..	..	..	..
27	Other digestive diseases	..	..	..	..	1	..	..	..	..	..	..	..
28	Nephritis	1	..	1	1	..	..	1	..	1	..	1	2
29	Puerperal & post abortion sepsis	..	..	..	..	..	..	..	2	4	3	11	4
30	Other maternal causes	..	..	..	..	..	..	..	..	..	..	..	..
31	Premature birth	2	3	..	..	..	..	..	..	..	..	..	..
32	Congenital causes, birth injuries, infant diseases	4	2	..	..	..	..	..	..	..	..	..	..
33	Suicide	..	..	..	..	..	..	..	..	2	..	2	..
34	Road traffic accidents	..	..	..	..	..	..	1	1	..	..	1	..
35	Other violent causes	..	..	..	..	..	..	1	..	2	..	3	3
36	All other causes	2	..	..	..	..	..	1	1	4	4	6	9
	ALL CAUSES	12	10	3	3	2	..	12	16	43	43	93	115

TABLE XX.

No.	CAUSES OF DEATH	Bala U.D.		Barmouth U.D.		Dolgelley U.D.		Festiniog U.D.		Towyn U.D.		Aggregate Urban Districts		Deudraeth R.D.		Dolgelley R.D.		Edeyrnion R.D.		Penllyn R.D.		Pennal C.P.		Aggregate Rural Districts		Aggregate County	
		M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
1	Typhoid & paratyphoid Fever	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
2	Cerebro-spinal Fever	..	..	1	..	..	..	..	..	1	..	2	..	..	..	..	..	1	..	..	..	..	..	1	..	3	..
3	Scarlet Fever	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
4	Whooping Cough	..	..	..	..	..	..	1	1	..	..	1	1	..	..	..	..	..	..	..	..	..	..	..	..	1	1
5	Diphtheria	..	..	..	..	..	..	1	1	..	..	1	1	..	..	..	..	..	..	..	..	..	..	..	..	1	1
6	Tb. of Respiratory System	..	2	..	1	1	1	8	..	..	..	9	4	4	4	2	4	..	1	1	3	..	1	7	13	16	17
7	Other forms of Tuberculosis	1	..	..	..	..	..	..	1	..	..	1	1	1	1	..	..	..	..	1	..	..	..	2	1	3	2
8	Syphilitic diseases	..	..	..	..	..	..	..	..	1	..	1	..	..	..	1	..	..	..	..	..	..	..	1	..	2	..
9	Influenza	1	1	..	3	..	..	2	2	1	2	4	8	1	1	1	3	1	1	1	1	..	..	4	6	8	14
10	Measles	..	..	..	..	..	..	..	..	2	..	2	..	..	..	1	..	..	1	..	1	..	..	1	2	3	2
13	Cancer of the buccal cavity Oesophagus (M), uterus (F)	..	1	..	..	..	..	1	1	1	..	2	2	..	2	1	..	1	..	1	1	..	..	3	3	5	5
14	Cancer of Stomach and duodenum	2	2	1	2	1	..	6	3	..	3	10	10	..	1	3	5	..	..	1	2	..	..	4	8	14	18
15	Cancer of breast	..	1	..	..	..	..	..	..	..	..	..	1	..	3	..	2	..	2	..	..	..	..	..	7	..	8
16	Cancer of all other sites	1	1	3	2	1	1	4	7	2	1	11	12	3	2	2	8	2	3	4	..	..	2	11	15	22	27
17	Diabetes	..	1	1	..	..	..	..	1	1	..	2	2	..	..	..	2	..	..	..	1	..	1	..	4	2	6
18	Intra cranial vascular lesions	1	..	1	..	3	3	7	6	3	6	15	15	4	6	4	10	5	5	1	3	..	1	14	25	29	40
19	Heart diseases	4	2	7	9	6	4	6	12	10	8	33	35	13	12	11	17	10	9	5	7	..	2	39	47	72	82
20	Other diseases of circulatory system	3	2	1	1	1	..	2	2	2	2	9	7	1	..	1	1	1	1	3	4	..	..	6	6	15	13
21	Bronchitis	..	1	..	..	2	2	7	2	2	1	11	6	2	1	4	7	1	..	1	1	..	..	8	9	19	15
22	Pneumonia	..	..	..	..	2	2	3	4	1	1	6	7	1	2	1	2	2	..	2	..	1	..	7	4	13	11
23	Other respiratory diseases	1	..	1	1	..	1	2	..	1	1	5	3	1	..	3	..	..	..	1	..	..	..	5	..	10	3
24	Ulcer of stomach or duodenum	..	..	..	..	..	..	..	..	2	..	2	..	..	..	..	..	..	1	..	..	..	..	..	1	2	1
25	Diarrhoea under 2 years	..	..	..	..	..	..	2	..	..	..	2	..	..	1	..	..	..	..	..	..	..	..	..	1	2	1
26	Appendicitis	..	..	..	..	..	..	..	..	1	..	1	..	..	..	1	..	..	..	..	..	..	..	1	..	2	..
27	Other digestive diseases	..	..	..	2	1	..	4	3	..	..	5	5	2	..	2	1	..	1	1	1	..	..	5	3	10	8
28	Nephritis	..	2	1	4	..	1	2	3	1	3	4	13	6	4	6	4	1	..	2	1	..	..	15	9	19	22
29	Puerperal and post abortion sepsis	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
30	Other maternal causes	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
31	Premature birth	..	..	..	..	..	..	..	1	..	..	..	1	1	2	..	1	1	..	..	..	..	..	2	3	2	4
32	Congenital causes, birth injuries, infant diseases	..	1	..	..	..	..	..	2	..	..	..	3	1	1	1	1	..	..	1	..	1	..	4	2	4	5
33	Suicide	..	..	..	..	..	..	..	1	..	..	..	2	2	..	1	..	..	..	1	..	..	..	4	..	4	2
34	Road traffic accidents	1	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	2	1	..	..	..	..	2	1	3	1
35	Other violent causes	..	..	..	..	1	..	3	4	1	..	5	4	1	..	5	1	..	2	..	..	..	..	6	3	11	7
36	All other causes	3	..	3	..	4	2	9	8	2	10	21	23	4	3	5	3	3	6	..	2	1	..	13	14	34	37
	ALL CAUSES	18	17	20	29	23	17	70	65	35	38	166	166	48	46	56	72	31	34	27	28	3	7	165	187	331	353